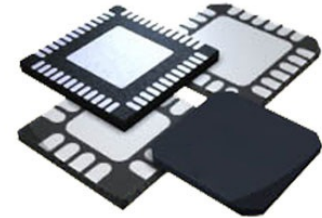


## 2.4 GHz Front-End Module



Images are for reference only

[Inquiry](#)

**Manufacturer:** [Skyworks Solutions, Inc](#)

**Package/Case:** QFN

**Product Type:** RF Integrated Circuits

**RoHS:** RoHS Compliant/Lead free 

**Lifecycle:** Active

### General Description

The SKY66113-11 is a high-performance, fully integrated RF front-end module (FEM) designed for Bluetooth Low Energy/Bluetooth Smart, 802.15.4, Thread and ZigBee applications.

The SKY66113-11 is designed for ease of use and maximum flexibility. The device integrates a high-gain, low-noise LNA, transmit bypass path, and digital controls compatible with 1.6 V to 3.6 V CMOS levels.

The RF blocks operate over a wide supply voltage range from 1.7 V to 3.6 V that allows the SKY66113-11 to be used in battery powered applications over a wide spectrum of the battery discharge curve.

#### Reference Designs

The SKY66113-11 FEM has been designed into reference designs with products from Silicon Labs. Combined with our partners' platforms, the SKY66113-11 meets today's demand for long-range, low-power and cost-effective solutions.

Silicon Labs	
EFR32MG	EFR32BG

## Key Features

Integrated LNA with 12 dB gain

Integrated switch with receive LNA and transmit bypass function

Low noise figure: 2 dB typical

Single-ended transmit/receive interface

Fast switch on/off time: < 2  $\mu$ s

Supply range: 1.7 V to 3.6 V

Sleep mode current: < 1  $\mu$ A typical

No external bias resistor is required

Small MCM (16-pin, 2.4  $\times$  2.4  $\times$  0.8 mm) package, NiPdAu plated (MSL3, 260  $^{\circ}$ C per JEDEC-J-STD-020)

## Application

Connected Homes

Wearables

## Recommended For You

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### SKY85712-21

Skyworks Solutions, Inc

QFN

### SKY13373-460LF

Skyworks Solutions, Inc

QFN

### SKY65404-31

Skyworks Solutions, Inc

QFN

### SKY67151-396LF

Skyworks Solutions, Inc

QFN

### SKY65723-81

Skyworks Solutions, Inc

DFN-6

### SKY13320-374LF

Skyworks Solutions, Inc

QFN

### SKY13415-485LF

Skyworks Solutions, Inc

QFN14

### SKY13585-679LF

Skyworks Solutions, Inc

QFN

### SKY85712-11

Skyworks Solutions, Inc

QFN

### SKY13416-485LF

Skyworks Solutions, Inc

QFN

### SKY13431-374LF

Skyworks Solutions, Inc

DFN6

### SKY13372-467LF

Skyworks Solutions, Inc

QFN

### SKY67150-396LF

Skyworks Solutions, Inc

DFN6

### SKY13414-485LF

Skyworks Solutions, Inc

QFN

### SKY65405-21

Skyworks Solutions, Inc

QFN